# Diego Velasco

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3128558/publications.pdf

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|---|---|---|---|
| 39 papers | 1,328 citations | 471509 17 h-index | 345221 36 g-index |
| 40 all docs | 40 docs citations | 40 times ranked | 2198 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Magneto-mechanical system to reproduce and quantify complex strain patterns in biological materials. Applied Materials Today, 2022, 27, 101437. | 4.3 | 18 |
| 2 | Preparation and Characterization of Plasma-Derived Fibrin Hydrogels Modified by Alginate di-Aldehyde. International Journal of Molecular Sciences, 2022, 23, 4296. | 4.1 | 11 |
| 3 | Evaluation of different methodologies for primary human dermal fibroblast spheroid formation: automation through 3D bioprinting technology. Biomedical Materials (Bristol), 2022, 17, 055002. | 3.3 | 1 |
| 4 | Contraction of fibrinâ€derived matrices and its implications for in vitro human skin bioengineering. Journal of Biomedical Materials Research - Part A, 2021, 109, 500-514. | 4.0 | 22 |
| 5 | Generation of a Simplified Three-Dimensional Skin-on-a-chip Model in a Micromachined Microfluidic Platform. Journal of Visualized Experiments, 2021, , . | 0.3 | 5 |
| 6 | Effect of Fibrin Concentration on the In Vitro Production of Dermo-Epidermal Equivalents. International Journal of Molecular Sciences, 2021, 22, 6746. | 4.1 | 12 |
| 7 | Elastin-Plasma Hybrid Hydrogels for Skin Tissue Engineering. Polymers, 2021, 13, 2114. | 4.5 | 18 |
| 8 | Influence of elastomeric matrix and particle volume fraction on the mechanical response of magneto-active polymers. Composites Part B: Engineering, 2021, 215, 108796. | 12.0 | 30 |
| 9 | A new microfluidic method enabling the generation of multi-layered tissues-on-chips using skin cells as a proof of concept. Scientific Reports, 2021, 11, 13160. | 3.3 | 15 |
| 10 | Cardiac Extracellular Matrix Hydrogel Enriched with Polyethylene Glycol Presents Improved Gelation Time and Increased On-Target Site Retention of Extracellular Vesicles. International Journal of Molecular Sciences, 2021, 22, 9226. | 4.1 | 9 |
| 11 | Skin-on-a-chip models: General overview and future perspectives. APL Bioengineering, 2021, 5, 030901. | 6.2 | 48 |
| 12 | Hyaluronic acid-fibrin hydrogels show improved mechanical stability in dermo-epidermal skin substitutes. Materials Science and Engineering C, 2021, 128, 112352. | 7.3 | 18 |
| 13 | Tuning the Cell and Biological Tissue Environment through Magneto-Active Materials. Applied Sciences (Switzerland), 2021, 11, 8746. | 2.5 | 5 |
| 14 | Lidocaine-Loaded Solid Lipid Microparticles (SLMPs) Produced from Gas-Saturated Solutions for Wound Applications. Pharmaceutics, 2020, 12, 870. | 4.5 | 19 |
| 15 | Bioprinting for Skin. Methods in Molecular Biology, 2020, 2140, 217-228. | 0.9 | 10 |
| 16 | Skin tissue engineering. , 2019, , 59-99. | | 15 |
| 17 | Smart Polymer Gels: Properties, Synthesis, and Applications. , 2019, , 279-321. | | 6 |
| 18 | The role of versican in the skin ECM and its interaction with hyaluronic acid. BiomecÃ¡nica, 2019, 27, . | 0.1 | 2 |

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|---|---|---|---|
| 19 | 3D human skin bioprinting: a view from the bio side. Journal of 3D Printing in Medicine, 2018, 2, 141-162. | 2.0 | 22 |
| 20 | 3D bioprinting of functional human skin: production and in vivo analysis. Biofabrication, 2017, 9, 015006. | 7.1 | 329 |
| 21 | Synergistic effect of pendant hydroxypropyl and pyrrolidine moieties randomly distributed along polymethacrylamide backbones on in vitro DNA-transfection. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 90, 38-43. | 4.3 | 6 |
| 22 | Poly (lactic-co-glycolic acid) particles prepared by microfluidics and conventional methods. Modulated particle size and rheology. Journal of Colloid and Interface Science, 2015, 441, 90-97. | 9.4 | 37 |
| 23 | Chitosan microgels obtained by on-chip crosslinking reaction employing a microfluidic device. Optofluidics, Microfluidics and Nanofluidics, 2014, 1, . | 0.5 | 2 |
| 24 | Chitosan/agarose hydrogels: Cooperative properties and microfluidic preparation. Carbohydrate Polymers, 2014, 111, 348-355. | 10.2 | 80 |
| 25 | Microfluidic Generation of Composite Biopolymer Microgels with Tunable Compositions and Mechanical Properties. Biomacromolecules, 2014, 15, 2419-2425. | 5.4 | 36 |
| 26 | Nanofibrillar thermoreversible micellar microgels. Soft Matter, 2013, 9, 2380. | 2.7 | 18 |
| 27 | Exploring a direct injection method for microfluidic generation of polymer microgels. Lab on A Chip, 2013, 13, 2547. | 6.0 | 18 |
| 28 | Synthesis and characterization of a novel thermoresponsive copolymer series and their application in cell and cell sheet regeneration. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 253-268. | 3.5 | 14 |
| 29 | Low polydispersity (N-ethyl pyrrolidine methacrylamide-co-1-vinylimidazole) linear oligomers for gene therapy applications. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 465-474. | 4.3 | 14 |
| 30 | Microfluidic Encapsulation of Cells in Polymer Microgels. Small, 2012, 8, 1633-1642. | 10.0 | 231 |
| 31 | End functionalized polymeric system derived from pyrrolidine provide high transfection efficiency. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 485-494. | 4.3 | 13 |
| 32 | pH-sensitive polymer hydrogels derived from morpholine to prevent the crystallization of ibuprofen. Journal of Controlled Release, 2011, 149, 140-145. | 9.9 | 46 |
| 33 | Preparation in supercritical CO2 of porous poly(methyl methacrylate)â€“poly(l-lactic acid) (PMMAâ€“PLA) scaffolds incorporating ibuprofen. Journal of Supercritical Fluids, 2010, 54, 335-341. | 3.2 | 51 |
| 34 | Connections between structure and performance of four cationic copolymers used as physically adsorbed coatings in capillary electrophoresis. Journal of Chromatography A, 2010, 1217, 7586-7592. | 3.7 | 11 |
| 35 | A highly effective gene delivery vector â€“ hyperbranched poly(2-(dimethylamino)ethyl methacrylate) from in situ deactivation enhanced ATRP. Chemical Communications, 2010, 46, 4698. | 4.1 | 86 |
| 36 | Poly(N,Nâ€dimethylacrylamideâ€coâ€4â€(ethyl)â€morpholine methacrylamide) copolymer as coating for CE. Journal of Separation Science, 2009, 32, 605-612. | 2.5 | 19 |

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|---|---|---|---|
| 37 | New stimuli-responsive polymers derived from morpholine and pyrrolidine. Journal of Materials Science: Materials in Medicine, 2008, 19, 1453-1458. | 3.6 | 28 |
| 38 | Nuevos polÃmeros acrÃlicos sensibles a estÃmulos derivados de la morfolina y pirrolidina. BiomecÃ¡nica, 2008, , . | 0.1 | 0 |
| 39 | Development of a hyaluronic acid/plasma-derived fibrin hydrogel for the optimization of dermo-epidermal autologous equivalents. Frontiers in Bioengineering and Biotechnology, 0, 4, . | 4.1 | 1 |